

59639-151

5/2/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

**NOTIFICATION**

Linda Obrestad  
Valent U.S.A. Corporation  
1600 Riviera Ave., Suite 200  
Walnut Creek, CA 94596-8025

**MAY 02 2014**

Subject: Notification to add additional pests to broccoli  
V-10170 5 FS Insecticide  
EPA Registration # 59639-151  
Submission Date: April 23, 2014

Dear Linda Obrestad :

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 received April 23, 2014.

The Registration Division (RD) has reviewed these requests and finds that this action falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records. If you have any questions, please contact Jessica Rogala at (703) 347-0263 or via email at [rogala.jessica@epa.gov](mailto:rogala.jessica@epa.gov).

Sincerely,

A handwritten signature in cursive script, reading "J. Rogala", is positioned above the typed name.

Jessica Rogala  
Environmental Protection Specialist  
Insecticide-Rodenticide Branch  
Registration Division (7505P)



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 59639-151	2. EPA Product Manager Ms Venus Eagle	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) V-10170 5 FS Insecticide	PM# 1	
5. Name and Address of Applicant (Include ZIP Code) Valent U.S.A. Corporation 1600 Riviera Ave., Suite 200 Walnut Creek, CA 94596-8025 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed label in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION: Additional pests to broccoli

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted				Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input checked="" type="checkbox"/> On Labeling	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Linda Obrestad		Title Regulatory Analyst		Telephone No. (Include Area Code) 925-256-2791	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received  (Stamped)
2. Signature 		3. Title Regulatory Analyst			
4. Typed Name Linda Obrestad		5. Date April 22, 2014			


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**V-10170 5 FS Insecticide  
EPA Reg. No. 59639-151  
NOTIFICATION**

Ms. Venus Eagle, Product Manager (Team 01)  
Insecticide-Rodenticide Branch, Registration Division (7505P)  
Document Processing Desk (NOTIF)  
U.S. Environmental Protection Agency  
Room S4900 - One Potomac Yard  
2777 S. Crystal Drive  
Arlington, Virginia 22202

Dear Ms. Eagle:

Valent U.S.A. Corporation is respectfully submitting this label Notification to inform the agency of a change to our product label for V-10170 5 FS Insecticide (EPA Reg. No. 59639-151) as follows:

### Additional pests to Broccoli.

I have enclosed the following documents to support this Notification submission:

Pesticide Application (Form 8570-1)

Certification Statement consistent with the provisions of PR-Notice 98-10

One (1) copy of proposed label with redline additions/strike through

One (1) copy of proposed label (clean).

If you should have any questions please contact me at (925) 256-2791 or email: [linda.obrestad@valent.com](mailto:linda.obrestad@valent.com) or Sue Shen, 972-244-6543, [sue.shen@valent.com](mailto:sue.shen@valent.com)

Sincerely,

Linda Christad

Linda Obrestad

## Labeling Specialist

## Registration and Regulatory Affairs

Enclosures



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed.

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
NOTE TO PHYSICIAN	
Treatment is supportive and symptomatic.	
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact <b>800-892-0099</b> for emergency medical treatment information.	

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride or viton. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

**Mixers, loaders, applicators and other handlers must wear:** long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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## ENVIRONMENTAL HAZARDS

This product is toxic to birds, mammals and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply where runoff is likely to occur. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Apply this product only as specified on label.

Treated seed exposed on soil surface maybe hazardous to birds and mammals. Cover or collect spilled seed.

This compound is highly toxic to bees exposed directly (contact). Ensure that planting equipment is functioning properly in accordance with manufacturing recommendations to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 12 hours.

**Exception:** Once the seeds are planted in soil, the WPS, under certain circumstances, allows workers to enter the treated area without restriction if there will be no worker contact with the soil subsurface or treated seed. PPE required for entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water, is: long-sleeved shirt and long pants; shoes plus socks, and chemical resistant gloves made out of any waterproof material.

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## RESISTANCE MANAGEMENT

V-10170 5 FS Insecticide is a neonicotinoid and a Group 4A insecticide. Insect biotypes with acquired resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by V-10170 5 FS Insecticide or other Group 4A insecticides. Valent U.S.A. Corporation strives to maintain strong stewardship of this product by recommending that its use be coordinated in a planned resistance management strategy program established for the specific crop and area.

Contact your local extension specialist, certified crop advisors and/or manufacturer for insecticide resistance management or IPM recommendations for the specific site and resistant pest problems.

For further information or to report suspected resistance, you may contact Valent U.S.A. Corporation at 800-682-5368.

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## RESTRICTIONS

V-10170 5 FS Insecticide must be used only in accordance with specifications on this label utilizing mechanical, slurry, or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. This product is for commercial seed treatment facilities for all listed crops and for on-farm application only to cereal grains (except corn and sorghum). Do not apply this product in a hopper-box or planter-box at planting time. Always mix product thoroughly before use.

As stated by regulations specified in 40 CFR 153.155, all seed treated with V-10170 5 FS Insecticide must be colored with an EPA-approved dye or colorant to visually distinguish seed that is treated with a pesticide. It is mandatory that such dye or colorant be added into the slurry mixture containing V-10170 5 FS Insecticide, prior to application. This regulation is necessary to prevent treated seed from accidental use as a food for man or feed for animals.

Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.

## Seed Quality And Storage Of Treated Seed

Seed treatments applied to low vigor or poor quality seed or to mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. To verify seed safety, treat a small portion of seed with the desired slurry mixture (V-10170 5 FS Insecticide alone or in combination with other commercial seed treatment products) prior to treatment of an entire seed lot. Utilize standard seed germination methodologies to determine and verify seed safety. Proper storage conditions of treated seed are to be followed. Due to seed quality and seed storage conditions beyond the control of Valent U.S.A. Corporation, no claims are made to guarantee the germination of carry-over treated seed.



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# ON-FARM APPLICATION

## **CEREAL GRAINS** (Except Corn, Rice, Sorghum and Wild Rice)

Crops	Insect Pests	V10170 5 FS Insecticide Use Rates fl oz/100 lbs seed	Rates/Instructions
Barley Buckwheat Pearl Millet Proso Millet Oats Rye Teosinte Triticale	Wireworm	0.25 – 1.79	For wireworm seed protection, use a 0.25 fl oz/100 lbs seed rate or higher, depending on field history and site populations.
	Aphid	0.75 – 1.79	
	Grasshopper	1.79	Grasshopper feeding damage to seedling plants under low to moderate insect pressure will be reduced when V-10170 5 FS Insecticide seed treatment is used. Treated seed may be planted as a 50 to 60 foot border around the edges of the crop field as a barrier to grasshoppers advancing into the interior of the field.
Wheat	Wireworm	0.25 – 1.79	For wireworm seed protection, use a 0.25 fl oz/100 lbs seed rate or higher, depending on field history and site populations.
	Aphid	0.75 – 1.79	
	Grasshopper Hessian Fly	1.79	Grasshopper feeding damage to seedling plants under low to moderate insect pressure will be reduced when V-10170 5 FS Insecticide seed treatment is used. Treated seed may be planted as a 50 to 60 foot border around the edges of the crop field as a barrier to grasshoppers advancing into the interior of the field.  For Hessian Fly protection to wheat seedlings in the Fall season, use 1.79 fl oz/100 lbs seed.
<b>Restriction</b> Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.			

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<b>BROCCOLI</b>			
<b>Insect Pests</b>	<b>V-10170 5 FS Insecticide Use Rates</b>		
Aphids Bagrada Bug Cabbage Maggot Flea Beetle	<b>fl oz/1000 seeds</b>	<b>mls/1000 seeds</b>	<b>g ai/1000 seeds</b>
	0.0673	1.99	1.1925
<b>Restriction</b> Regardless of application type, do not apply more than 0.2 lb active ingredient clothianidin/A/year.			

BULB VEGETABLES				
Crop	Insect Pest	V-10170 5 FS Insecticide Use Rates		
		fl oz/1000 seeds	mls/1000 seeds	g ai/1000 seeds
Onion (bulb)	Onion Maggot Seedcorn Maggot Thrips	0.00666 – 0.01016	0.197 – 0.3	0.118 – 0.18
Leek		0.01129	0.3338	0.2
Onion (bunching)		0.00508 – 0.00598	0.15023 – 0.17694	0.09 – 0.106
<b>Restrictions</b> Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.				

CANOLA/RAPESEED (Not for use in California)		
Insect Pests	V-10170 5 FS Insecticide Use Rates fl oz/100 lbs seed	Rates/Instructions
Flea Beetle Wireworm	10.23	V-10170 5 FS Insecticide provides early season protection against listed pests.
<b>Restriction</b> Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.		

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<b>CEREAL GRAINS</b> <b>(Except Corn, Rice, Sorghum and Wild Rice)</b>			
<b>Crops</b>	<b>Insect Pests</b>	<b>V10170 5 FS Insecticide Use Rates fl oz/ 100 lbs seed</b>	<b>Rates/Instructions</b>
Barley Buckwheat Pearl Millet Proso Millet Oats Rye Teosinte Triticale	Wireworm	0.25 – 1.79	For wireworm seed protection, use a 0.25 fl oz/100 lbs seed rate or higher, depending on field history and site populations.
	Aphid	0.75 – 1.79	
	Grasshopper	1.79	Grasshopper feeding damage to seedling plants under low to moderate insect pressure will be reduced when V-10170 5 FS Insecticide seed treatment is used. Treated seed may be planted as a 50 to 60 foot border around the edges of the crop field as a barrier to grasshoppers advancing into the interior of the field.
Wheat	Wireworm	0.25 – 1.79	For wireworm seed protection, use a 0.25 fl oz/100 lbs seed rate or higher, depending on field history and site populations.
	Aphid	0.75 – 1.79	
	Grasshopper Hessian Fly	1.79	Grasshopper feeding damage to seedling plants under low to moderate pressure will be reduced when V-10170 5 FS Insecticide seed treatment is used. Treated seed may be planted as a 50 to 60 foot border around the edges of the crop field as a barrier to grasshoppers advancing into the interior of the field.  For Hessian Fly protection to wheat seedlings in the Fall season, use 1.79 fl oz/100 lbs seed.
<b>Restriction</b> Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.			

CORN [(For Non-GMO Only)]				
Crops	Insect Pests	V-10170 5 FS Insecticide Use Rates		Rates/Instructions
		fl oz/ unit of seed*	mg ai/kernel	
Corn[For Non-GMO only] Seed Field Pop Sweet Corn	Chinch Bug Corn Flea Beetle Corn Leaf Aphid Cutworm (black) Grape Colaspis Seedcorn Maggot Southern Corn Leaf Beetle Southern Corn Rootworm Southern Green Stinkbug Storage Pests, including: Indian Meal Moth Lesser Grain Borer Red Flour Beetle Rice Weevil Rusty Grain Beetle Sugarcane Beetle White Grub, including: European Chafer Larvae May/June Beetle Larvae Japanese Beetle Larvae Thrips Wireworm	1.13 to 2.26	0.25 to 0.5	Provide early seed and seedling protection against listed pests.  For additional insect protection commercially treated seed with 0.25 mg ai/kernel rate of clothianidin may be over-treated with up to 0.25 mg/ai/kernel to equal total dose rate of 0.5 mg ai/kernel.  <b>For Storage Pests:</b> Follow guidelines for control of stored grain insects, it is advised that seed with existing populations of storage pests be fumigated prior to treating and bagging of seed.
[For Non-GMO only] Field Corn Popcorn	<b>For Early Season Suppression of:</b> Corn Rootworm (including: Mexican Northern Southern) Southern Corn Billbug	5.64	1.25	<b>For Southern Corn Billbug:</b> Follow-up foliar spray of a locally registered insecticide may be needed under heavy pest pressure. Consult your local Extension office for recommendations.
<b>Restriction</b> Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.				

\*Corn seed unit = 80,000 seed

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Leafy Greens (Subgroup 4A)				
Crop		V-10170 5 FS Insecticide Use Rates fl oz/100 lb seeds*	V-10170 5 FS <sup>1</sup> Insecticide Use Rates mg ai/seed	Insect Pest
Short Season Crops	Spring Mix Lettuce, Lettuce	66.3 - 132.6	0.025 - 0.05	Aphids Leafminers (Suppression)
	Baby Spinach	6.4 - 12.8		
	Amaranth	56.4 - 112.9		
	Arugula	36.7 - 73.4		
	Chervil	22.9 - 45.9		
	Edible-Leaved Chrysanthemum Garland Chrysanthemum	56.4 - 112.9		
	Corn Salad	24.3 - 48.7		
	Garden Cress, Upland Cress	27.1 - 54.3		
	Dandelion	4.9 - 9.9		
	Dock	45.9 - 91.7		
	Endive	60.2 - 120.4		
	Orach	18.8 - 37.6		
	Parsley	41.5 - 83.0		
	Garden Purslane, Winter Purslane	153.6 - 307.2		
	Radicchio	33.9 - 67.7		
Full Season Crops	Leaf and Romaine Lettuce Head Lettuce <sup>2</sup>	1061 - 1990	0.4 - 0.75	
	Spinach New Zealand Spinach Vine Spinach	38.4	0.15	

#### Restriction

<sup>1</sup>Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.

<sup>2</sup>For high application rate of 0.4-0.75 mg ai/seed for lettuce, incorporate V-10170 5FS Insecticide into pelleting process. Minimum pelleting build up weight of 40 X is required for the highest rate of 0.75 g.ai/seed. The minimum pelleting build up weight is allowed to be reduced proportionally (build up = 40X (target rate/0.75) for the lower rate. Do not apply the product on the raw seeds.

\*Fl oz/100 lb seeds is calculated based on the following seed size (seeds/pound): Lettuce, 469,933; Spinach, 45,360; Amaranth, 400,000; Arugula, 260,000; Chervil, 162,532; Chrysanthemum, 400,000; Corn Salad, 172,400; Cress, 192,320; Dandelion, 35,000; Dock, 325,000; Endive, 426,400; Orach, 133,329; Parsley, 293,920; Purslane, 1,088,400; Radicchio, 240,000

**Note:** Each fluid ounce of V-10170 5 FS Insecticide contains 17.7 g of clothianidin.

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Maximum seeding rates are based on the application rate and range from 120,000 to 3.6 million Seeds per acre (see Rate Guide Chart below)

Rate Guide Chart for Leafy Greens (Subgroup 4A)	
Application Rate (mg.ai/seed)	Maximum Seeding Rate (seeds/A)
0.025	3,600,000
0.05	1,800,000
0.15	600,000
0.4	225,000
0.75	120,000

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<b>RICE</b> (Not for Use in California)		
<b>Insect Pests</b>	<b>V-10170 5 FS Insecticide Use Rates fl oz/100 lbs seed</b>	<b>Rates/Instructions</b>
Aphid Black Bug Chinch Bug Grape Colaspis Rice Water Weevil Thrips	1.92 (0.075 lb ai/100 lbs seed)	V10170 5 FS Insecticide provides early season protection against listed pests.
<b>Restriction</b> <ul style="list-style-type: none"> <li>V10170 5 FS Insecticide is to be used only as a dry-seeded rice seed treatment. Cover the planted seed thoroughly by soil.</li> <li>V10170 5 FS Insecticide is not to be used in areas where rice/crawfish aquaculture practices are in place or in or near fish farms, shrimp, prawn or crab pond or nursery operations.</li> <li>V10170 5 FS Insecticide is not to be followed by a spray treatment of another neonicotinoid insecticide. Follow approved guidelines established for insect resistance management by consulting your local extension pest management expert.</li> <li>Do not apply to Wild Rice.</li> <li>Regardless of application method, do not apply more than a total of 0.2 lb active ingredient clothianidin/A/year.</li> </ul>		

<b>SORGHUM</b> (Not for use in California)		
<b>Insect Pests</b>	<b>V-10170 5 FS Insecticide Use Rates fl oz/100 lbs seed</b>	<b>Rates/Instructions</b>
Black Granulate Cutworm Chinch Bug Corn Leaf Aphid English Grain Aphid Greenbug Seed Corn Maggot White Grub Wireworm Yellow Sugarcane Aphid	5.1 to 6.4	V-10170 5 FS Insecticide provides seed and seedling protection against listed pests.
<b>Restriction</b> Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.		



<b>SOYBEAN</b> (Not for use in California)		
<b>Insect Pests</b>	<b>V-10170 5 FS Insecticide Use Rates fl oz/100 lbs seed</b>	<b>Rates/Instructions</b>
Aphids Bean Leaf Beetle Grape Colaspis Leafhoppers Pea Leaf Weevil Seed Corn Maggot Three Cornered Alfalfa Hopper Thrips White Grubs Wireworm	1.28	V-10170 5 FS Insecticide provides seed and seedling protection against listed pests.
<b>Restriction</b> <ul style="list-style-type: none"> <li>Regardless of application method, do not apply more than 0.2 lb active ingredient clothianidin/A/year.</li> <li>Do not graze or feed soybean forage and hay to livestock.</li> </ul>		



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## SEED BAG TAG

The Federal Seed Act requires that the container of seed treated with V-10170 5 FS Insecticide must be labeled with the following information:

- This seed has been treated with V-10170 5 FS Insecticide which contains clothianidin.
- Do not use treated seed for feed, food, or oil processing.

In addition, the U.S. Environmental Protection Agency requires the following statements on the container of seed treated with V-10170 5 FS Insecticide:

- Regardless of application method, do not apply more 0.2 lb active ingredient clothianidin/A/year.
- V-10170 5 FS Insecticide is to be used only as a dry-seeded rice seed treatment. Cover the planted seed thoroughly by soil.
- Do not plant V10170 5 FS Insecticide treated rice in areas where rice/crawfish aquaculture practices are in place or in or near fish farms, shrimp, prawn or crab pond or nursery operations.
- Rapeseed greens and seed grown or harvested from V-10170 5 FS Insecticide treated seed must not be used for feed or human consumption. Rapeseed grown and harvested from V-10170 5 FS Insecticide treated seed is only for industrial uses and cannot be used for edible oil or any human/feed consumption.
- Store away from feeds and other foodstuffs.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.
- Wear long sleeved shirt, long pants and chemical resistant gloves when handling treated seed.
- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging in accordance with local requirements.
- This compound is highly toxic to bees exposed directly (contact). Ensure that planting equipment is functioning properly in accordance with manufacturing recommendations to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.
- Do not re-use bags from treated seed to handle food or feed products.
- The compound is toxic to birds and mammals. Treated seeds exposed on soil surface may be hazardous to birds and mammals. Cover or collect treated seeds spilled during loading.
- Pelletted leafy, romaine and head lettuce seeds treated with rates higher than 0.4 mg ai/seed must be planted at a minimum depth of 1/2 inch. All other seeds must be planted at a minimum depth of 1/2 inch.
- Do not graze or feed soybean forage and hay to livestock.
- Areas planted with treated seed of barley, broccoli, buckwheat, field corn, leafy greens (subgroup 4A), leek, pearl millet, popcorn, proso millet, oats, onion (bulb), onion (bunching), rice\*, rye, sugar beet, soybean\*, teosinte, triticale, and wheat may be replanted immediately with bulb vegetables, canola, cereal grains cotton, fruiting vegetables (including cucurbits), leafy vegetables (including brassica vegetables), rapeseed, root and tuber vegetables, sorghum and soybean. These areas may also be replanted after 30 days with dry beans, grasses and non-grass animal feeds. These areas may also be replanted after 8 months with sugarcane. Do

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not plant any other crop in the treated area for at least one year after these treated seeds are planted.

- Areas planted with treated seed of canola\*, rapeseed\*, sorghum\* and sweet corn may be replanted immediately with bulb vegetables, canola, cereal grains, cotton, fruiting vegetables (including cucurbits), leafy vegetables (including brassica vegetables), rapeseed, root and tuber vegetables, and soybean. These areas may also be replanted after 30 days with dry beans, grasses and non-grass animal feeds. Do not plant any other crops in the treated area for at least 4 months after these treated seeds are planted.

ROTATIONAL CROP PLANT-BACK INTERVALS					
Crops Planted	Immediate Plant-back	30-Day Plant-back	4-Month Plant-back	8-Month Plant-back	12-Month Plant-back
Barley, Broccoli, Buckwheat, Field Corn, Leafy Greens (subgroup 4A), Leek, Pearl Millet, Popcorn, Proso Millet, Oats, Onion (bulb) Onion (bunching), Rice*, Rye, Soybean*, Sugarbeet, Teosinte, Triticale, Wheat	Bulb Vegetables, Canola, Cereal Grains, Cotton, Fruiting Vegetables (including Cucurbits), Leafy Vegetables (including Brassica Vegetables), Rapeseed, Root and Tuber Vegetables, Soybean	Dry Beans, Grasses, Non-grass Animal Feeds		Sugarcane	Any crops without an earlier plant-back interval
Canola* Rapeseed* Sorghum* Sweet Corn	Bulb Vegetables, Canola, Cereal Grains, Cotton, Fruiting Vegetables (including Cucurbits), Leafy Vegetables (including Brassica Vegetables), Rapeseed, Root and Tuber Vegetables, Soybean	Dry Beans, Grasses, Non-grass Animal Feeds	Any crop without an earlier plant-back interval		

\* Not for use in California

## PRODUCT INFORMATION

V-10170 5 FS Insecticide (clothianidin) is a systemic insecticide seed treatment providing seed and seedling protection against listed soil insects and early-season foliar insects of barley, broccoli, buckwheat, canola/rapeseed\*, field corn, leafy greens (subgroup 4A, (including amaranth, arugula, chervil, edible-leaved chrysanthemum, garland chrysanthemum, corn salad, garden cress, upland cress, dandelion, dock, endive, lettuce, orach, parsley, garden purslane, winter purslane, radicchio, spinach, New Zealand spinach, vine spinach), leek, pearl millet, popcorn, proso millet, oats, onion (bulb), onion (bunching), rice\*, rye, sorghum\*, soybean\*, sugar beet, sweet corn, teosinte, triticale and wheat.

Accurate application of V-10170 5 FS Insecticide to seed is required for control of pests.

**Pre-test tank mixtures with other seed treatment products to verify formulation compatibility and to assure proper physical compatibility of products. Be aware of limitations or cautions documented on labels of all products used in a seed treatment mixture.**

\*Not for use in California

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

### PESTICIDE STORAGE

Store in a dry place away from excessive heat.

Do not store near food or feed.

Store in original container only.

To close package, replace and tighten cap to form an airtight seal.

### PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING

*[Use the following statement for containers equal to or less than 5 gallons]*

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or by incineration.

*[Use the following statement for rigid nonrefillable/greater than 5 gals or 50 lbs containers]*

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or by incineration.

*[Use the following statement for all formulation types/all refillable container types]*

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or by incineration.

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**DISCLAIMER, RISKS OF USING THIS PRODUCT,  
LIMITED WARRANTY  
AND LIMITATION OF LIABILITY**

**IMPORTANT:** Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

**RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

**LIMITED WARRANTY**

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

**LIMITATION OF LIABILITY**

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

**PROMPT NOTICE OF CLAIM**

To the extent consistent with applicable law allowing such requirements Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

**NO AMENDMENTS**

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

**TANK MIXES**

**NOTICE:** Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

